

CLAIMS

WHAT IS CLAIMED IS:

1. A method of georeferencing a raster map, comprising:
receiving a display of a first map and a second map, the first map being
5 a digital raster map, the second map being a previously georeferenced map;
receiving a manipulation of the first map such that the first map and
the second map are approximately aligned;
displaying the first map and the second map;
receiving a selection of a point pair point on the first map; and
10 receiving a selection of a corresponding point pair point on the second
map.

2. The method of claim 1 further comprising receiving a
verification that the point pair point on the first map is correctly associated
with the point pair point on the second map.

15 3. The method of claim 1 wherein receiving a manipulation places
the first map within the second map.

4. The method of claim 1 further comprising providing a
longitude and latitude to the point pair point on the second map.

20 5. The method of claim 1 wherein the point pair point on the
second map has a known longitude and latitude.

6. The method of claim 1 further comprising generating a
georeferencing function.

7. The method of claim 1 further comprising providing an
identification of a plurality of point pair points.

8. The method of claim 1 further comprising the act of receiving a mark on a point on the first map, the point on the first map being automatically reproduced on the second map.

5 9. The method of claim 8 further comprising receiving a correction of the reproduced mark.

10. The method of claim 1 further comprising selecting a predefined georeferencing function to associate a point on the first map with a point on the second map.

11. A computer readable medium whose contents transform a computer system into a raster map georeferencing system, by:

receiving a display of a first map and a second map, the first map being a digital raster map, the second map being a previously georeferenced map;

receiving a manipulation of the first map such that the first map and the second map are approximately aligned;

displaying the first map and the second map;

receiving a selection of a point pair point on the first map; and

receiving a selection of a corresponding point pair point on the second map.

12. The computer readable medium of claim 11 wherein the contents of the computer readable medium are also capable of verifying that the point pair point on the first map is correctly associated with the point pair point on the second map.

13. The computer readable medium of claim 11, wherein the contents of the computer readable medium are also capable of incorporating a plurality of point pair points.

14. The computer readable medium of claim 11 wherein the contents of the computer readable medium are also capable of allowing a user to mark a point on the first map, the point on the first map being automatically reproduced on the second map.

15. The computer readable medium of claim 11 wherein the contents of the computer readable medium are also capable of providing a longitude and latitude to the point pair point on the second map.

16. A computer memory containing a data structure capable of enabling the georeferencing of a raster map, the data structure changing a general computing platform into a specific computing machine, by:

5 receiving a display of a first map and a second map, the first map being a digital raster map, the second map being a previously georeferenced map;
receiving a manipulation of the first map such that the first map and the second map are approximately aligned;
displaying the first map and the second map;
receiving a selection of a point pair point on the first map; and
10 receiving a selection of a corresponding point pair point on the second map.

17. The computer memory of claim 16 wherein the data structure verifies that the point pair point on the first map is correctly associated with the point pair point on the second map.

15 18. The computer memory of claim 16, wherein the data structure supports the providing of a parity of point pair points.

19. The computer memory of claim 16 wherein data structure marks a point on the first map, the point on the first map being automatically reproduced on the second map.

20 20. The computer memory of claim 16 wherein the data structure provides longitude and latitude to the point pair point on the second map